

Name _____

Period _____ Date _____

Population Interactions Notes

Types of Population Interactions

1. _____

4. _____

2. _____

5. _____

3. _____

Competition

Competition occurs when _____ a requirement for a
_____ resource

- _____ is _____ for _____ or _____ species

Fitness is the _____ of _____ to _____ and

Two Types of Competition

1. **Intraspecific competition** occurs between _____ of the _____

Ex: _____

2. **Interspecific competition** occurs between _____ of _____

Ex: _____

Competitive Exclusion Principle

A **niche** is the _____ or _____ of a given _____ within an _____

- If _____ species have the same _____, the _____
_____ will _____ the _____
- _____ competitors _____
- _____ that _____ have _____ that enable them to
_____ competition

Resource partitioning occurs when
species _____ ways to
_____ resources,



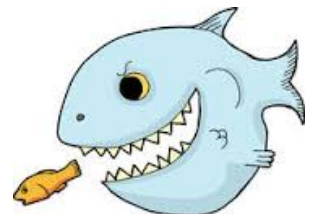
Methods of Resource Partitioning

- _____ only use _____ of a _____
- _____ use the _____ resource at _____
- _____ use the _____ resource in _____

Predation

Predation occurs when one _____ another _____ for

- The _____ is the organism that _____ the _____
- The _____ is the organisms that is _____



Coevolution

Coevolution is the _____ by which _____ or _____ species _____ in _____ to one another

- _____ and _____ can become _____ in a _____ of _____

Example 1:

Bats (_____) have developed _____

Moths (_____) have developed _____

Example 2:

_____ are _____

which cause the _____ to become _____

_____ in order to _____



Symbiotic Relationships

Symbiosis is a close _____ between _____ species that _____ at least _____ species

3 types of symbiotic relationships:

1. _____
2. _____
3. _____

Parasitism (+, +)

Parasitism occurs when _____ organisms _____ off of _____ organism by living _____ or _____ them

- The _____ benefits from this _____, the other (the _____) is _____ affected by the _____
 - The _____ is usually much _____ than the _____
 - The _____ rarely _____ the _____
-

Mutualism (+, +)

Mutualism occurs when _____ species _____ from the species'

- It is a _____ and _____ relationship
 - Mutualism is NOT _____; it is _____
-

Commensalism (+, 0)

Commensalism is a _____ in which _____ species _____ and the other _____ is _____ nor _____

- _____